

AMENDMENTS TO THE CLAIMS

1-14. (Cancelled)

15. (Currently Amended) A method of manufacturing a biological electrical stimulus cable assembly, comprising:

- a) providing a cable portion, including a plurality of first conductive wires set into a length of insulative material having a surface, wherein the plurality of conductive wires are disposed at substantially the same radial depth within the insulative material, wherein the wires are encapsulated within the insulative material that forms a body of the cable portion;
- b) removing a portion of said insulative material from said surface of said length of insulative material to only a first one of said first conductive wires at a first location, thereby creating a first exposed first wire surface and removing a portion of said insulative material from said surface of said length of insulative material, also only to said first one of said first conductive wires at a second location, thereby creating a second exposed first wire surface, wherein the removing is performed on the cable portion after the first conductive wires have been set within the insulative material of the body of the cable portion;
- c) electrically connecting a second conductive wire to said first exposed first wire surface; and
- d) wrapping said second conductive wire about said cable portion and connecting it to said second exposed first wire surface, thereby creating a circumscribing electrode, wherein the second conductive wire is welded to the first one of said first conductive wires at the second exposed first wire surface.